

EUROPEAN PATENT APPLICATION

(51) Int Cl.⁶: **G10K 11/178**

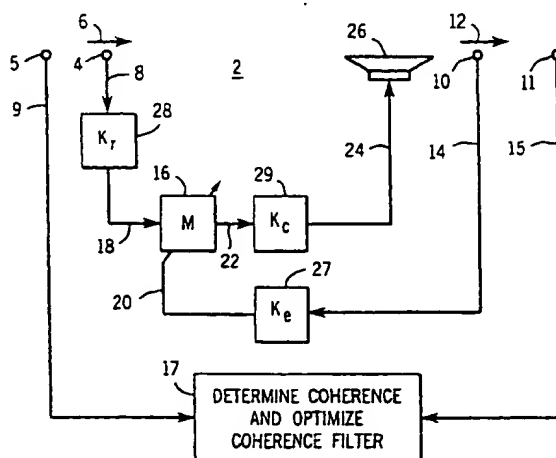
(22) Date of filing: 23.05.1995

(72) Inventors:
• **Pedersen, Douglas G.**
Middleton, Wisconsin 53562 (US)

(54) **Coherence optimized active adaptive control system**

a control signal matching the system input signal (6) to minimize the error at the error input. Coherence in the system is determined, and a coherence filter (27; 28; 29) is provided according to the determined coherence. Preferably, one or more of the error signal (14), reference signal (8) and correction signal (24) is coherence filtered

FIG. 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 95 30 3452

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CL.6)
X	EP 0 517 525 A (MATSUSHITA ELECTRIC IND CO LTD) 9 December 1992 * page 6, line 55 - page 7, line 18; figure 10 *	1-3,5, 10,11,50	G10K11/178
Y		4,6	
A		7-9, 12-49	
D,Y	US 4 677 677 A (ERIKSSON LARRY J) 30 June 1987 * column 1, line 51 - line 68 *	4,6	
P,A	US 5 347 586 A (HILL PETER D ET AL) 13 September 1994 * column 9, line 18 - line 55 *	1	
A	US 4 594 695 A (GARCONNAT MICHEL ET AL) 10 June 1986 * column 1, line 47 - column 2, line 35 *	1	
			TECHNICAL FIELDS SEARCHED (Int. CL.6)
			G10K
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 29 August 1997	Examiner Swartjes, H
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

PFD FORM 150 (04/97) (P0401)